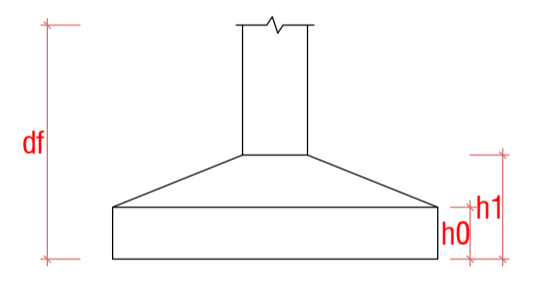


| Nome | Seção | X (cm) | Y (cm) | Pilar | | Mx (kgf.m) | My (kgf.m) | Fx (kgf) | Fy (kgf) | Fundação | | | |
|------|-------|---------|---------|-----------------|-----------------|------------|------------|----------|----------|-------------|-------------|--------------|--------------|
| | | | | Carga Máx. (tf) | Carga Min. (tf) | | | | | Lado B (cm) | Lado H (cm) | h0 / ha (cm) | h1 / hb (cm) |
| P1 | 18x25 | 9.00 | 2002.50 | 4.3 | 4.0 | 100 | 400 | 0.9 | 0.1 | 80 | 85 | 20 | 30 |
| P2 | 15x30 | 491.50 | 2000.00 | 8.6 | 8.3 | 100 | 100 | 0.2 | 0.1 | 95 | 110 | 20 | 30 |
| P3 | 15x30 | 1001.50 | 2007.50 | 7.6 | 7.4 | 200 | 400 | 0.7 | 0.3 | 95 | 110 | 20 | 30 |
| P4 | 15x30 | 1341.50 | 2007.50 | 5.0 | 4.8 | 100 | 100 | 0.2 | 0.1 | 70 | 85 | 20 | 30 |
| P5 | 15x30 | 1676.50 | 2007.50 | 7.0 | 6.7 | 300 | 200 | 0.3 | 0.5 | 95 | 110 | 20 | 30 |
| P6 | 20x20 | 2066.50 | 2005.00 | 5.3 | 5.0 | 300 | 200 | 0.5 | 0.7 | 90 | 90 | 20 | 30 |
| P7 | 15x30 | 499.00 | 1792.50 | 3.7 | 3.4 | 100 | 200 | 0.1 | 0.1 | 70 | 85 | 20 | 30 |
| P8 | 18x25 | 762.80 | 1791.00 | 7.3 | 7.1 | 100 | 200 | 0.6 | 0.2 | 90 | 90 | 20 | 30 |
| P9 | 15x30 | 1341.50 | 1806.20 | 3.8 | 3.6 | 200 | 100 | 0.1 | 0.2 | 70 | 85 | 20 | 30 |
| P10 | 18x25 | 9.00 | 1692.50 | 4.7 | 4.4 | 100 | 200 | 0.4 | 0.2 | 80 | 85 | 20 | 30 |
| P11 | 15x30 | 326.50 | 1692.50 | 6.4 | 6.1 | 200 | 200 | 0.4 | 0.5 | 90 | 105 | 20 | 30 |
| P12 | 15x30 | 491.50 | 1660.00 | 3.1 | 2.8 | 200 | 100 | 0.1 | 0.3 | 65 | 80 | 20 | 30 |
| P13 | 15x30 | 641.50 | 1667.50 | 4.6 | 4.2 | 100 | 200 | 0.3 | 0.1 | 65 | 80 | 20 | 30 |
| P14 | 15x30 | 1001.50 | 1667.50 | 8.5 | 8.4 | 100 | 200 | 0.2 | 0.2 | 90 | 105 | 20 | 30 |
| P15 | 15x30 | 1291.50 | 1660.00 | 7.7 | 7.5 | 200 | 100 | 0.1 | 0.4 | 90 | 105 | 20 | 30 |
| P16 | 15x30 | 1521.50 | 1660.00 | 5.2 | 4.9 | 200 | 100 | 0.3 | 0.3 | 80 | 95 | 20 | 30 |
| P17 | 15x30 | 1676.50 | 1675.00 | 5.8 | 5.7 | 300 | 100 | 0.2 | 0.7 | 80 | 95 | 20 | 30 |
| P18 | 15x30 | 1926.50 | 1667.50 | 7.3 | 6.9 | 300 | 100 | 0.2 | 0.8 | 90 | 105 | 20 | 30 |
| P19 | 20x20 | 2066.50 | 1596.00 | 5.9 | 5.8 | 200 | 100 | 0.1 | 0.3 | 85 | 85 | 20 | 30 |
| P20 | 15x30 | 326.50 | 1412.50 | 4.0 | 3.7 | 200 | 100 | 0.1 | 0.2 | 65 | 80 | 20 | 30 |
| P21 | 15x30 | 491.50 | 1412.50 | 6.6 | 6.3 | 100 | 100 | 0.2 | 0.1 | 80 | 95 | 20 | 30 |
| P22 | 15x30 | 861.50 | 1412.50 | 6.2 | 5.9 | 100 | 200 | 0.2 | 0.2 | 80 | 95 | 20 | 30 |
| P23 | 15x30 | 1136.50 | 1420.00 | 5.4 | 5.0 | 200 | 200 | 0.3 | 0.5 | 80 | 95 | 20 | 30 |
| P24 | 15x30 | 1386.50 | 1420.00 | 7.3 | 7.0 | 200 | 200 | 0.4 | 0.3 | 90 | 105 | 20 | 30 |
| P25 | 15x30 | 1676.50 | 1412.50 | 5.1 | 4.8 | 100 | 300 | 0.4 | 0.2 | 65 | 80 | 20 | 30 |
| P26 | 15x30 | 1926.50 | 1420.00 | 4.3 | 3.8 | 400 | 100 | 0.2 | 0.4 | 80 | 95 | 20 | 30 |
| P27 | 18x25 | 9.00 | 1317.50 | 3.5 | 3.1 | 100 | 100 | 0.2 | 0.1 | 65 | 70 | 20 | 30 |
| P28 | 15x30 | 206.50 | 1252.50 | 4.8 | 4.5 | 200 | 100 | 0.1 | 0.2 | 70 | 85 | 20 | 30 |
| P29 | 15x30 | 326.50 | 1270.00 | 4.7 | 4.4 | 300 | 200 | 0.4 | 0.6 | 90 | 95 | 20 | 30 |
| P30 | 18x25 | 1676.50 | 1277.50 | 5.5 | 5.0 | 100 | 300 | 0.5 | 0.1 | 80 | 95 | 20 | 30 |
| P31 | 18x25 | 9.00 | 1152.50 | 4.1 | 3.7 | 100 | 100 | 0.3 | 0.2 | 75 | 80 | 20 | 30 |
| P32 | 15x30 | 326.50 | 1152.50 | 7.0 | 6.6 | 300 | 200 | 0.3 | 0.5 | 90 | 105 | 20 | 30 |
| P33 | 15x30 | 491.50 | 1152.50 | 7.4 | 7.2 | 200 | 200 | 0.3 | 0.3 | 90 | 105 | 20 | 30 |
| P34 | 15x30 | 861.50 | 1152.50 | 6.1 | 5.9 | 200 | 200 | 0.5 | 0.2 | 90 | 105 | 20 | 30 |
| P35 | 20x20 | 2066.50 | 1189.00 | 5.1 | 5.0 | 100 | 100 | 0.1 | 0.1 | 80 | 85 | 20 | 30 |
| P36 | 15x30 | 1559.00 | 1105.00 | 8.0 | 7.8 | 100 | 200 | 0.1 | 0.2 | 90 | 105 | 20 | 30 |
| P37 | 15x30 | 1306.50 | 940.00 | 5.9 | 5.5 | 200 | 200 | 0.7 | 0.5 | 90 | 105 | 20 | 30 |
| P38 | 15x30 | 1706.50 | 932.50 | 6.8 | 6.4 | 200 | 300 | 0.7 | 0.3 | 90 | 105 | 20 | 30 |
| P39 | 15x30 | 491.50 | 802.50 | 5.8 | 5.6 | 200 | 200 | 0.5 | 0.3 | 80 | 95 | 20 | 30 |
| P40 | 15x30 | 861.50 | 802.50 | 6.1 | 5.9 | 200 | 200 | 0.5 | 0.3 | 90 | 105 | 20 | 30 |
| P41 | 20x20 | 2066.50 | 782.00 | 5.0 | 4.7 | 100 | 100 | 0.1 | 0.2 | 75 | 80 | 20 | 30 |
| P42 | 18x25 | 9.00 | 707.50 | 5.0 | 4.7 | 100 | 200 | 0.4 | 0.1 | 80 | 85 | 20 | 30 |
| P43 | 15x30 | 326.50 | 707.50 | 6.8 | 6.5 | 200 | 200 | 0.4 | 0.3 | 90 | 105 | 20 | 30 |
| P44 | 15x30 | 491.50 | 677.50 | 6.3 | 6.0 | 300 | 200 | 0.5 | 0.9 | 90 | 105 | 20 | 30 |
| P45 | 15x30 | 861.50 | 677.50 | 6.4 | 6.0 | 300 | 400 | 0.7 | 0.5 | 90 | 105 | 20 | 30 |
| P46 | 15x30 | 1406.50 | 677.50 | 7.0 | 6.7 | 100 | 200 | 0.4 | 0.2 | 90 | 105 | 20 | 30 |
| P47 | 15x30 | 1699.00 | 677.50 | 5.4 | 5.1 | 100 | 300 | 0.5 | 0.1 | 80 | 95 | 20 | 30 |
| P48 | 15x30 | 491.50 | 577.50 | 5.5 | 5.3 | 200 | 100 | 0.4 | 0.3 | 80 | 95 | 20 | 30 |
| P49 | 15x30 | 1414.00 | 472.50 | 3.4 | 3.1 | 100 | 200 | 0.5 | 0.1 | 65 | 80 | 20 | 30 |
| P50 | 15x30 | 1706.50 | 472.50 | 6.4 | 6.2 | 100 | 200 | 0.4 | 0.1 | 80 | 95 | 20 | 30 |
| P51 | 15x30 | 1964.00 | 472.50 | 6.8 | 6.6 | 400 | 200 | 0.3 | 0.7 | 90 | 105 | 20 | 30 |
| P52 | 15x30 | 2214.00 | 472.50 | 5.1 | 4.7 | 400 | 200 | 0.4 | 0.8 | 90 | 105 | 20 | 30 |
| P53 | 18x25 | 9.00 | 357.50 | 4.6 | 4.3 | 100 | 200 | 0.4 | 0.1 | 75 | 80 | 20 | 30 |
| P54 | 15x30 | 326.50 | 357.50 | 6.7 | 6.5 | 200 | 200 | 0.4 | 0.3 | 90 | 105 | 20 | 30 |
| P55 | 15x30 | 491.50 | 270.00 | 5.4 | 5.1 | 200 | 100 | 0.1 | 0.3 | 80 | 95 | 20 | 30 |
| P56 | 15x30 | 806.50 | 262.50 | 7.1 | 6.9 | 300 | 200 | 0.3 | 0.7 | 90 | 105 | 20 | 30 |
| P57 | 15x30 | 1221.50 | 270.00 | 6.5 | 6.2 | 300 | 200 | 0.3 | 0.6 | 90 | 105 | 20 | 30 |
| P58 | 15x30 | 1304.00 | 262.50 | 5.7 | 5.3 | 200 | 300 | 0.6 | 0.4 | 80 | 95 | 20 | 30 |
| P59 | 15x35 | 1699.00 | 262.50 | 6.3 | 6.0 | 100 | 300 | 0.6 | 0.2 | 90 | 105 | 20 | 30 |
| P60 | 18x25 | 9.00 | 12.50 | 3.2 | 3.0 | 100 | 200 | 0.3 | 0.1 | 65 | 70 | 20 | 30 |
| P61 | 15x30 | 326.50 | 7.50 | 5.8 | 5.6 | 200 | 200 | 0.2 | 0.4 | 80 | 95 | 20 | 30 |
| P62 | 15x30 | 606.50 | 7.50 | 3.7 | 3.5 | 100 | 100 | 0.1 | 0.1 | 65 | 70 | 20 | 30 |
| P63 | 15x30 | 910.25 | 7.50 | 3.9 | 3.7 | 200 | 100 | 0.1 | 0.1 | 65 | 80 | 20 | 30 |
| P64 | 15x30 | 1214.00 | 7.50 | 3.0 | 2.7 | 100 | 200 | 0.3 | 0.1 | 65 | 70 | 20 | 30 |
| P65 | 15x30 | 1386.50 | 7.50 | 6.1 | 5.7 | 200 | 300 | 0.6 | 0.4 | 90 | 105 | 20 | 30 |
| P66 | 15x30 | 1706.50 | 7.50 | 6.4 | 6.1 | 100 | 200 | 0.5 | 0.2 | 80 | 95 | 20 | 30 |
| P67 | 15x30 | 1964.00 | 7.50 | 5.8 | 5.6 | 300 | 100 | 0.2 | 0.7 | 90 | 105 | 20 | 30 |
| P68 | 15x30 | 2214.00 | 7.50 | 4.5 | 4.2 | 300 | 100 | 0.2 | 0.7 | 80 | 95 | 20 | 30 |



Planta de locação
escala 1:50

PREFEITURA MUNICIPAL DE PARANAGUÁ

| | | | |
|-----------------------|------------------------|--|-------|
| TÍTULO | | PROJETO ESTRUTURAL | |
| OBRA | | U.B.S. PRAIA DE ENCANTADAS - ILHA DO MEL | |
| CONTEÚDO | | LOCAÇÃO DE SAPATAS | |
| RESP. TÉCNICO PROJETO | PROPRIETÁRIO | | |
| RUY JOSÉ RIBEIRO | MUNICÍPIO DE PARANAGUÁ | | |
| CREA: 18.028-D | PROJETO | | |
| DATA: JULHO 2017 | ESCALA | INDICADA | RJR |
| | | ÁREA CONSTRUIDA | 01/11 |
| | | 405,95 m² | |